Appendix 1 – Visual content code books

Table 5. Code book for identifying different professions of people depicted in the visuals of science education resources, based on [58] and [37].

Profession			
-	Other (non-science profession)		
1	Teacher primary school		
2	Teacher secondary school		
3	Astronomer		
4	Biologist		
5	Chemist		
6	Geologist		
7	Mathematician		
8	Physicist		
9	Technologist		
10	Presenter		
11	Scientist		
12	Student		
13	Doctor		
14	Astronaut		

Table 6. Code book for identifying different professions (pooled categories) of people depicted in the visuals of science education resources, based on [58] and [37].

Profession			
Other (non-science	Other (non-science profession)		
profession)	Presenter		
Teacher	Teacher primary school		
	Teacher secondary school		
Science profession	Astronaut		
	Astronomer		
	Biologist		
	Chemist		
	Doctor		
	Geologist		
	Mathematician		
	Physicist		
	Technologist		
	Scientist		
Student	Student		

Table 7. Code book for identifying different activities of people depicted in the visuals of science education resources, based on [58] and [37].

Activity			
0	Other than any below: Other		
1	Teaching		
2	Art activity		
3	Astronomy experiment		
4	Astronomy activity		
5	Biology experiment		
6	Biology activity		
7	Chemistry experiment		
8	Chemistry activity		
9	Geology experiment		
10	Geology activity		
11	Mathematics activity		
12	Physics experiment		
13	Physics activity		
14	Technology experiment		
15	Technology activity		
16	Presenting		
17	Nursing		
18	Doctor		

Table 8. Code book for identifying different activities (pooled categories) of people depicted in the visuals of science education resources, based on [58] and [37].

Activity			
Other	Other		
Experiment	Astronomy experiment		
	Biology experiment		
	Chemistry experiment		
	Geology experiment		
	Physics experiment		
	Technology		
	experiment		
Hands-on activity	Art activity		
	Astronomy activity		
	Biology activity		
	Chemistry activity		
	Geology activity		
	Mathematics activity		
	Physics activity		
	Technology activity		
Teaching	Teaching		
Nursing	Nursing		
Doctor	Doctor		
Presenting	Presenting		

References

- 37. Blumberg RL. The invisible obstacle to educational equality: Gender bias in textbooks. Prospects. 2008;38(3):345-61.
- 58. Bell P. Content analysis of visual images. In: Van Leeuwen T, Jewitt C. The handbook of visual analysis. London, UK: SAGE Publications Ltd; 2004. p. 10-35. Available: http://srmo.sagepub.com/view/the-handbook-of-visual-analysis/n2.xml.